	Application No.	Applicant(s)
		0.005
Notice of Allowability	10/798,096 Examiner	CHU ET AL. Art Unit
	Laminei	Attonic
	Valarie Bertoglio	1632
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>amendment dated 07/05/2007</u> .		
2. The allowed claim(s) is/are 17-27.		
3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some* c) ☐ None of the:		
1. Certified copies of the priority documents have been received.		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
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Attachment(s)	5 D Nation of Information	latant Application
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	• •
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Dat	
3. Information Disclosure Statements (PTO/SB/08),	7. 🛛 Examiner's Amendr	
Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit	8.  Examiner's Statement	ent of Reasons for Allowance
of Biological Material	9. 🗌 Other	
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**EXAMINER'S AMENDMENT** 

An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on 09/12/2007, Mark Farley requested an extension of time for 1 MONTH(S) and authorized the Director to charge Deposit Account No. 15-0700 the required fee of \$60 for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

Claim 17 has been amended to read as follows.

17. A complex immuno-gene medical composition for inhibiting growth of tumor cells producing TGF-β comprising a therapeutically effective amount of a plasmid comprising the DNA sequence of SEQ ID NO: 1 encoding IL-6 and a therapeutically effective amount of the plasmid comprising the DNA sequence of SEQ ID NO: 4 encoding IL-15 fused to an IL-2 signal peptide.

Claim 22 has been amended as follows.

22. A method for inhibiting growth of tumor cells producing TGF-β, comprising administrating a therapeutically effective amount of a complex immuno-gene medical composition to an individual in need thereof to activate NK cells and enhance cytotoxicity of the NK cells, wherein the complex immuno-gene medical composition comprises a plasmid comprising a pcDNA3.1/V5-His-TOPO vector into which is ligated the DNA sequence of SEQ ID NO: 1 encoding IL-6 and a plasmid comprising a pcDNA3.1/V5-His-TOPO vector into which is ligated the DNA sequence of SEQ ID NO: 4 encoding IL-15 fused to an

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IL-2 signal peptide, and wherein the medical composition is administered by muscle electroporation in

vivo.

Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Valarie Bertoglio whose telephone number is (571) 272-0725. The examiner can normally

be reached on Mon-Thurs 5:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter

Paras can be reached on (571) 272-4517. The fax phone number for the organization where this

application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer

Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

/Valarie Bertoglio, Ph.D./ Primary Examiner Page 3

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